

## SERVICE BULLETIN AMATEUR RADIO

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| SUBJECT<br>TH-205 SIGNAL-TO-NOISE RATIO IMPROVEMENT   | DATE<br>10/28/88 |
| <p>During strong signal reception, the noise level may appear to increase due to unstable action of the active filter in the PLL. To improve the signal-to-noise ratio, install a 390K ohm resistor on the emitter of Q12 (active filter) as described below.</p> <p>REQUIRED PART:</p> <p>390K OHM CHIP RESISTOR      PART # RK73FB2A394J</p> <ol style="list-style-type: none"><li>1. Disconnect the battery and antenna.</li><li>2. Remove the 7 screws from the back panel of the transceiver (Figure 1).</li><li>3. Lift the front panel from the transceiver and lay it to the right side.</li><li>4. Disconnect the 2 flex cables and remove the 3 screws from the IF unit (Figure 2).</li><li>5. Pull the top panel off and then remove the IF unit.</li><li>6. Remove the 8 screws from the RF unit and unplug connector CN2 (Figure 3). Remove the RF unit from the back cover.</li><li>7. Locate capacitor C82 on the foil side of the RF unit (Figure 4).</li><li>8. Solder the 390K ohm chip resistor directly on top of C82.</li><li>9. Assemble the transceiver by reversing steps 1 - 6.</li></ol> <p>This modification may be covered under warranty.<br/>Time required for this modification is 1.0 hrs or less. (C) 91188TKC</p> |                  |

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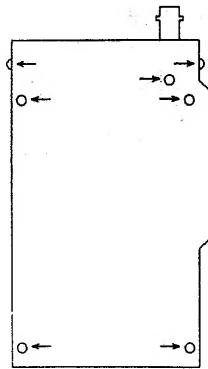


FIGURE 1

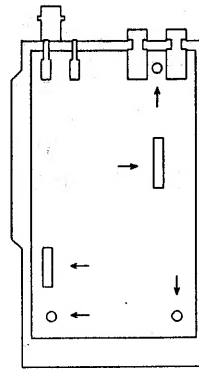


FIGURE 2

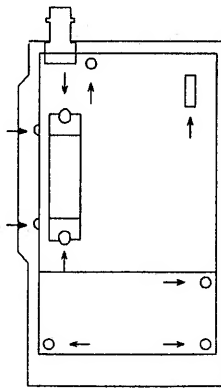


FIGURE 3

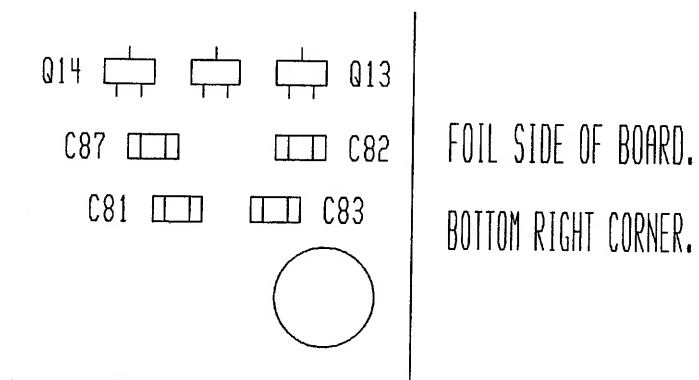


FIGURE 4